

УДК 334

RENEWABLE ENERGY SOURCES: ECONOMIC BENEFITS

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Together with the rapid growth of the world population, the limited ability to supply of non-renewable leads to energy demand on a rise especially in developing countries. This situation results in the risk of depletion of cheap fossil energy and environmental pollution as well as climate change. According to independent research, there will probably be sufficient oil and gas for this century, and coal for 2 or more. Moreover, the annual total consumption of energy sources by the world population is about 1.4×10^{17} kWh, of which the proportion of the fossil energy has accounted for 90% of the energy sources used. Therefore, researchers around the world have been constantly trying to find solutions to diversify energy sources and reduce harmful emissions and greenhouse emissions into the environment and renewable energy sources have taken the spotlight. Thus, what is the renewable energy? The Oxford Dictionary defines renewable energy as natural energy that can be used again and again and will never run out. There are many sources of energy that are renewable and considered to be environmentally friendly and harness natural processes. These sources of energy provide an alternate 'cleaner' source of energy, helping to negate the effects of certain forms of pollution. All of these power generation techniques can be described as renewable since they are not depleting any resource to create the energy. While there are many large-scale renewable energy projects and production, renewable technologies are also suited to small off-grid applications, sometimes in rural and remote areas, where energy is often crucial in human development.

One major advantage with the use of renewable energy is that as it is renewable it is therefore sustainable and so will never run out. Renewable energy facilities generally require less maintenance than traditional generators. Their fuel being derived from natural and available resources reduces the costs of operation. Even more importantly, renewable energy produces little or no waste products such as carbon dioxide or other chemical pollutants, so has minimal impact on the environment. Renewable energy projects can also bring economic benefits to many regional areas, as most projects are located away from large urban centers and suburbs of the capital cities. These economic benefits may be from the increased use of local services as well as tourism.

Humanity can't neither ignore cutting edge technologies nor loose the focus upon climate issues. These inventions made by Airbus Group are only a drop in the sea. However, they lead us to the obvious statement: the world shouldn't stay addicted on fossil fuels. We are surrounded by energy sources. They just need to be converted into practical use. For decades all automatic space probes are performing scientific surveys million miles away from the Earth. They get power from solar energy that keeps them working for many years (for example Voyager-1 and 2). If people all over the world don't reduce the uncontrolled mining and harmful consequences of it, there will be no place to live in.

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